



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Shutsung Liao et al.  
Serial No. : 10/705,398  
Filed : November 10, 2003  
Title : STEROID DERIVATIVES

Art Unit : 1614  
Examiner : Unknown

**Mail Stop Amendment**  
Commissioner for Patents  
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Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Copies of the references listed on the attached form PTO-1449 are enclosed. A copy of a communication from a foreign patent office is also enclosed.

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office Action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: November 16, 2004

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Substitute Form PTO-1449 (Modified) <b>NOV 22 2004</b> <b>Information Disclosure Statement</b> by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10634-002002	Application No. 10/705,398
	Applicant Shutsung Liao et al.		
	Filing Date November 10, 2003	Group Art Unit 1614	

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AA	Clinton et al., "D-Homosteroids. I. Derivatives of D-Homoetiocholan-3 $\alpha$ -ol-11,17 $\alpha$ -dione", <u>Journal of the American Chemical Society</u> , 79:6475-6480 (1957).
	AB	Database Beilstein, Beilstein Institute for Organic Chemistry, Frankfurt-Main, DE; BRN 2606100, XP002295651 (Abstract).
	AC	DeMarcano et al., "D-Homoandrostanes.2.Preparation and Properties of some Dioxygenated D-Homo-5 $\alpha$ -Androstanes", <u>Journal of Organic Chemistry</u> , 42(7):1221-1225 (1977).
	AD	DeMarcano et al., "D-Homoandrostanes.4.The Incubation of some D-Homo-5 $\alpha$ -Androstanes with Rhizopus Nigricans", <u>Steroids</u> , 41(1):1-13 (1983).
	AE	Eadon et al., "Synthesis and Biological Activity of D-Bishomo Steroids", <u>Journal of Medicinal Chemistry</u> , 15(1):89-91 (1972).
	AF	Gao et al., "A Novel Method for the Synthesis of a C/D-Ring Synthon of Vitamin D Derivatives From Hyodeoxycholic Acid", <u>Tetrahedron Letters</u> , 40(1):131-132 (1999).
	AG	Girdhar et al., "Highly Efficient Lewis Acid Catalyzed, One Step Conversions of 16 $\alpha$ , 17 $\alpha$ -epoxy-3 $\beta$ -hydroxypregn-5-en-20-one to d-homosteroid and DELTA<13>-Steroids", <u>Tetrahedron</u> , 57(33):7199-7204 (2001).
	AH	Seto et al., "Synthesis and Biological Activity of 6 $\alpha$ -Carbabrassinolide: B-Ring Homologation of 6-Oxo-Steroid to 6-Oxo-7 $\alpha$ -Homosteroid with Trimethylsilyldiazomethane-Boron Trifluoride Etherate", <u>Tetrahedron Letters</u> , 40(12):2359-2362 (1999).
	AI	Song et al., "Auto-Oxidized Cholesterol Sulfates are Antagonistic Ligands of Liver X Receptors: Implications for the Development and Treatment of Atherosclerosis", <u>Steroids</u> , 66:409-422 (2001).

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	